

Resource Management Strategies in the 2013 Water Plan Update

What are they?

- A Resource Management Strategy includes projects, programs or policies that help Federal, Tribal, state, regional, and local agencies manage their water and related resource.
- 24 RMS in Update 2005;
- 27 RMS in Update 2009;
- ? RMS in Update 2013.

Volume 2 of Update 2009

Update 2009 - Integrated Water Management - Windows Internet Explorer














http://www.waterplan.water.ca.gov/cwpu2009/index.cfm#volume2

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Update 2009 - Integrated Water Management

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Volume 2 - Resource Management Strategies

Chapter	Title	Download Full: 20 MB
	Volume 2 describes 27+ resource management strategies that can help meet various Water Plan objectives. Regional managers can mix and match strategies into response packages, crafting them to provide multiple water and resource benefits, diversify their water portfolio, and become more regionally self-sufficient.	 0.8 MB
	Table of Contents, Credits and Acknowledgements	 0.2 MB
1	Introduction	 0.7 MB
Reduce Water Demand		
2	Agricultural Water Use Efficiency	 1.2 MB
3	Urban Water Use Efficiency	 1.0 MB
Improve Operational Efficiency and Transfers		
4	Conveyance -- Delta	 0.8 MB
5	Conveyance -- Regional / local	 0.8 MB
6	System Reoperation	 1.0 MB
7	Water Transfers	 0.6 MB
Increase Water Supply		
8	Conjunctive Management & Groundwater	 2.7 MB
9	Desalination	 0.8 MB
10	Precipitation Enhancement	 0.9 MB

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What an RMS chapter looks like.

➤ 10-15 pages

- Description
- Potential Benefits
- Potential Costs
- Major Issues and Considerations
- Recommendations
- References

Who uses the RMS?

- The public, for a short, moderately technical guide to the Strategy.
- The Legislature, for the recommendations.
- Water managers, for examples of tools to use.
- The Water Plan itself will build on the RMS's in Update 2013.

How should they be treated in the 2013 Update?

➤ From Update 2009:

- More quantitative information on the performance of various strategies;
 - Scenarios and Sustainability Indicators
- More on interactions between strategies, tradeoffs and potential groupings of strategies.
 - In front of the RMS volume

What we're planning for 2013

- Light revise and update for most RMS.
- Heavier revision for a few active RMS.
- More quantitative information on the benefits of various strategies; from the modeling Scenarios.
- Substantive new work with RMS will be done in the Regional Reports.
- Progress Report will include implementation of RMS

27 Resource Management Strategies

Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

Improve Operational Efficiency & Transfers

- Conveyance – Delta
- Conveyance – Regional / Local
- System Reoperation
- Water Transfers

Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination – Brackish & Seawater
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage – Regional / Local

Improve Flood Management

- Flood Risk Management

Improve Water Quality

- Drinking Water Treatment & Distribution
- Groundwater / Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Salt & Salinity Management
- Urban Runoff Management

Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives
(Loans, Grants & Water Pricing)
- Ecosystem Restoration
- Forest Management
- Land Use Planning & Management
- Recharge Areas Protection
- Water-Dependent Recreation
- Watershed Management

Other -- Crop idling, dew vaporization, fog collection, irrigated land retirement, rainfed agriculture, waterbag transport

Why revise RMS?

Reduce Water Demand

- Agricultural Water Use Efficiency

Why revise?

- Incorporate SB7x decisions made by California Water Commission

Why revise RMS?

Improve Operational Efficiency & Transfers

- Conveyance – Delta
- System Reoperation

Why revise?

- Incorporate information from BDCP and the DSC's Delta Plan
- Incorporate information from DWR System Reoperation Study

Why revise RMS?

Increase Water Supply

- Conjunctive Management & Groundwater Storage

Why Revise?

- Incorporate new information and synthesis from the Groundwater Caucus

Why revise RMS?

Improve Water Quality

- Drinking Water Treatment and Distribution

Why revise?

- Incorporate new information on drinking water in disadvantaged communities and Tribes

Why Revise?

Practice Resource Stewardship

➤ Forest Management

Why revise?

➤ Incorporate new information on meadow restoration, fire management and timber harvesting.

Why revise RMS?

Practice Resource Stewardship

- Urban Land Use Management
- Water-Dependent Recreation

Why revise?

- Demonstrate pilot uses of decision tool.
- Invasives, access, beach protection and sand replenishment

Why revise RMS?

- Improve Flood Management
- Incorporate results of Statewide Flood Management Planning Program and Flood Caucus.

Questions

- Knowing that 2009 is the foundation for 2013 -
What would you add, change or subtract to our list of RMS strategies?
 - New Strategies? For example:
 - Sediment management (turbidity, source material for beaches, or legacy upland management issues)?
 - Water Dependent Cultural Resources
 - Other

Other

- Please list the RMS's you would be willing to review as a team member early next year.
- Or please tell us if you know of someone who would be willing to review an RMS as a team member early next year.
- What RMS's, if any, does the Tribal AC want brought back to monitor as they are developed?

RMS in the Regional Reports

➤ Questions we wish to answer:

- What RMS strategies are being used in the Region?
- What is the potential for each RMS in the Region?
- What are the barriers for using the RMS's in the Regions?
- What is the best mix of RMS strategies for the Region (Scenarios)?
- What are the benefits of bundled RMS strategies for this Region?

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